

DERWENT-ACC-NO: 2003-753979

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TITLE: Electric power system of fuel cell hybrid electric
vehicle

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Basic Abstract Text - ABTX (2):

DETAILED DESCRIPTION - A fuel cell(100) generates and stores an electric energy using hydrogen produced at a chemical reaction of a fuel. An inverter(400) controls a voltage supplied to the fuel cell to control the driving of a motor(500). A DC/DC converter(300) is connected with an output terminal of a battery(200) as an auxiliary power source and to an input terminal of the inverter. The DC/DC converter is a bidirectional DC/DC converter and is installed in parallel between a battery output terminal and an input terminal of the inverter. The DC/DC converter has a less capacity than that of the fuel cell.

6/25/03

